



Express Mail Label No. ED 560240829 US

PATENT

Attorney Docket No. 13505US

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Monzyk, Bruce, F. et al.

Serial No.: 10/626,500

Art Unit: 1723

Filed: July 23, 2003

Examiner: Drodge, Joseph W.

For: METAL REMOVAL AND RECOVERY BY LIQUID-LIQUID EXTRACTION

Mail Stop RCE  
Commissioner for Patents  
PO BOX 1450  
Alexandria, VA 22313-1450

Dear Sir:

**INFORMATION DISCLOSURE STATEMENT**

**1. Preliminary Statement**

Applicants submit herewith patents, publications, or other information, of which they are aware that they believe may be material, as defined in 37 CFR § 1.56(b), to the examination of this application, and in respect of which, there may be a duty to disclose in accordance with 37 CFR § 1.56(a). While the information referred to in this Information Disclosure Statement may be material pursuant to 37 CFR § 1.56(b), the filing of this Information Disclosure Statement is not intended, pursuant to 37 CFR § 1.97(h), to constitute an admission that any patent, publication, or other information referred to is, or is considered to be, material to the patentability of this invention. Further, pursuant to 37 CFR § 1.97(g), the filing of this Information Disclosure Statement should not be construed as a statement that a

search has been made or that no other material information exists. The filing of this information disclosure statement shall not be construed as an admission against interest in any manner.

2. Transmitted herewith and forming a part of this Information Disclosure Statement is form PTO/SB/08B (1 sheet) on which is listed all cited items of information.

The following items are listed:

Non-Patent Literature Documents

A1 Conkle, H. Nicholas and Chauhan, Satya P.; "Demonstration of Chromium (VI) Removal From Wastewater"; Handout at ESTCP Symposium; November 27-29, 2001.

A2 Conkle, H. Nicholas; Rose, J. Kevin; Monzyk, Bruce and Chauhan, Satya P.; "Demonstration of Chromium (VI) Removal From Wastewater"; 6th Annual Joint Services Pollution Prevention & Hazardous Waste Management Conf.; August 20-23, 2001.

A3 Conkle, H. Nicholas; Rose, J. Kevin; Monzyk, Bruce and Chauhan, Satya P.; "Hexavalent Chrome Extraction From Wastewater"; Paper #42966; Presented at 95th Annual Conference and Exhibition; June 23-27, 2002; Baltimore MD.

A4 Graziano, Gina; Conkle, H. Nicholas and Chauhan, Satya P.; "Removal of Chromium(VI) from Wastewater by Anionic Liquid Ion Exchange," 5<sup>th</sup> Annual Joint Services Pollution Prevention & Hazardous Waste Management Conference and Exhibition; August 21-24, 2000; San Antonio, TX; Naval Facilities Engineering Command & USAF Headquarters Air Force Center for Environmental Excellence; pp. 359-365.

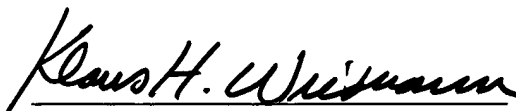
A5 Monzyk, Bruce; Conkle, H. Nicholas; Rose, J. Kevin and Chauhan, Satya P.; "Commercial Scale Recovery of Hexavalent Chromium for Water Recycle by Anion Liquid-Liquid Extraction (A-LLX)," International Solvent Extraction Conference; March 18-21, 2002; Cape Town, South Africa.

A6 Werner, Tim and Monzyk, Bruce; "Pilot Demonstration of Hexavalent Chrome Removal and Recovery from ALC Waste Waters for Toxic Sludge Volume Reduction"; 3<sup>rd</sup> Annual Joint Services Pollution Prevention Conference and Exhibition; August 25-27, 1998; San Antonio Texas; National Defense Industrial Association; Arlington, VA; pp. 472-477.

3. This Information Disclosure Statement (IDS) is being submitted with a Continued Prosecution Request; therefore, it is believed that no separate fee for the IDS is due. Should a separate fee be due the Commissioner is authorized to charge the fee of \$180 to the credit card specified in the accompanying papers.

The person making this statement is the practitioner who signs below on the basis of the information in the practitioner's file.

Respectfully submitted,



Registration No. 30,437

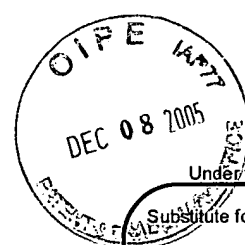
Phone (614) 424-6589

Fax (614) 424-3864

Email wiesmann@battelle.org

Klaus H. Wiesmann  
BATTELLE MEMORIAL INSTITUTE  
505 King Avenue  
Columbus, Ohio 43201-2693  
December 8, 2005

**Customer No. 24116**



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/626,500
Filing Date	07-23-2003
First Named Inventor	Monzyk et al.
Art Unit	1723
Examiner Name	Drodge, Joseph W.
Attorney Docket Number	13505

Sheet 1 of 1

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	A1	CONKLE et al.; Demonstration of Chromium (VI) Removal From Wastewater; Handout at ESTCP Symposium; November 27-29, 2001	
	A2	CONKLE et al.; Demonstration of Chromium (VI) Removal From Wastewater; 6th Annual Joint Services Pollution Prevention & Hazardous Waste Management Conf.; August 20-23, 2001	
	A3	CONKLE et al.; Hexavalent Chrome Extraction From Wastewater; Paper #42966; Presented at 95th Annual Conference and Exhibition; June 23-27, 2002; Baltimore MD	
	A4	GRAZIANO et al.; Removal of Chromium (VI) from Wastewater by Anionic Liquid Ion Exchange; 5th Annual Joint Services Pollution Prevention & Hazardous Waste Management	
		Conference & Exhibition; Aug. 21-24, 2000; San Antonio, TX; Naval Facilities Engineering Command & USAF Headquarters Air Force Center for Environmental Excellence; pp. 359-365	
	A5	MONZYK et al.; Commercial Scale Recovery of Hexavalent Chromium for Water Recycle by Anion Liquid-Liquid Extraction (A-LLX); International Solvent Extraction Conference;	
		March 18-21, 2002; Cape Town, South Africa	
	A6	WERNER et al.; Pilot Demonstration of Hexavalent Chrome Removal and Recovery from AIC Waste Waters for Toxic Sludge Volume Reduction; 3rd Annual Joint Services Pollution	
		Prevention Conference and Exhibition; August 25-27, 1998; San Antonio, TX; National Defence Industrial Association, Arlington, VA; pp. 472-477	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.